

*Empowering  
the Future of  
Medical Imaging*

Radiography   Fluoroscopy   Mammography   CT   Bone Densitometry   Dental Radiography

# INNOVATIVE X-RAY SOLUTIONS... IT ALL STARTS HERE



■ **Innovation & Quality:**

*With over 65 years of high voltage innovation, world-class ISO certified production facilities and global support network, Spellman can meet the needs of discriminating global OEM's system manufacturers*

■ **Compliance and Safety:**

*Safety and Regulatory Agency approvals such as: UL, CSA, and IEC can be provided. In addition, Spellman is authorized to conduct UL sanctioned testing*

■ **Risk Management:**

*Consistent processes across multiple facilities ensures a secure supply chain. Products can be manufactured at multiple Spellman sites. With standardized manufacturing, training and equipment, you can be assured of quality products and service for years to come*

■ **Support and Service:**

*Our globally situated technical support centers are strategically located to provide rapid local response to customer needs*

*Support Centers are linked through a common ERP system and real-time data reporting so information is always available about your product and delivery status*



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# X-RAY GENERATORS FOR MEDICAL IMAGING APPLICATIONS



When it comes to dependable X-Ray generators for medical imaging applications, Spellman High Voltage leads the way. No other manufacturer builds a more reliable, efficient, stable, or compact X-Ray Generator or Monoblock X-Ray source. Offering negative, positive or bipolar output ranging from 40kV to 160kV, Spellman can deliver an ideal high voltage solution for today's imaging requirements.

Medical imaging applications demand greater performance, higher reliability, and increased flexibility. Spellman has responded with compact, powerful CT Generators and the equally capable HFe Series of X-Ray generators. Spellman's X-Ray generators utilize state of the art power conversion technology, variety of industry accepted interface technologies and numerous control consoles and GUIs for user input.

Spellman is Your Global Resource for X-Ray Generators and Monoblocks®

## EXTRAORAL DENTAL X-RAY

## FLUOROSCOPY



### PDM

#### X-Ray Monoblock®

- Cephalo, Panoramic and CT applications
- 90kV @ 900 watts
- 0.5 mm focal spot
- 10 PPS pulse CT capability
- RS-232 interface
- Compact shielded enclosure



### XRB011

#### X-Ray Monoblock®

- Pulsed fluoro capability
- Integrated HV power supply and X-Ray tube
- 33 micron focal spot
- 80kV @ 20 Watts or optional 80kV @ 50 Watts
- Analog or digital control interface

# SUITE POSSIBILITIES... HEAD-TO-TOE IMAGING

## COVATOR

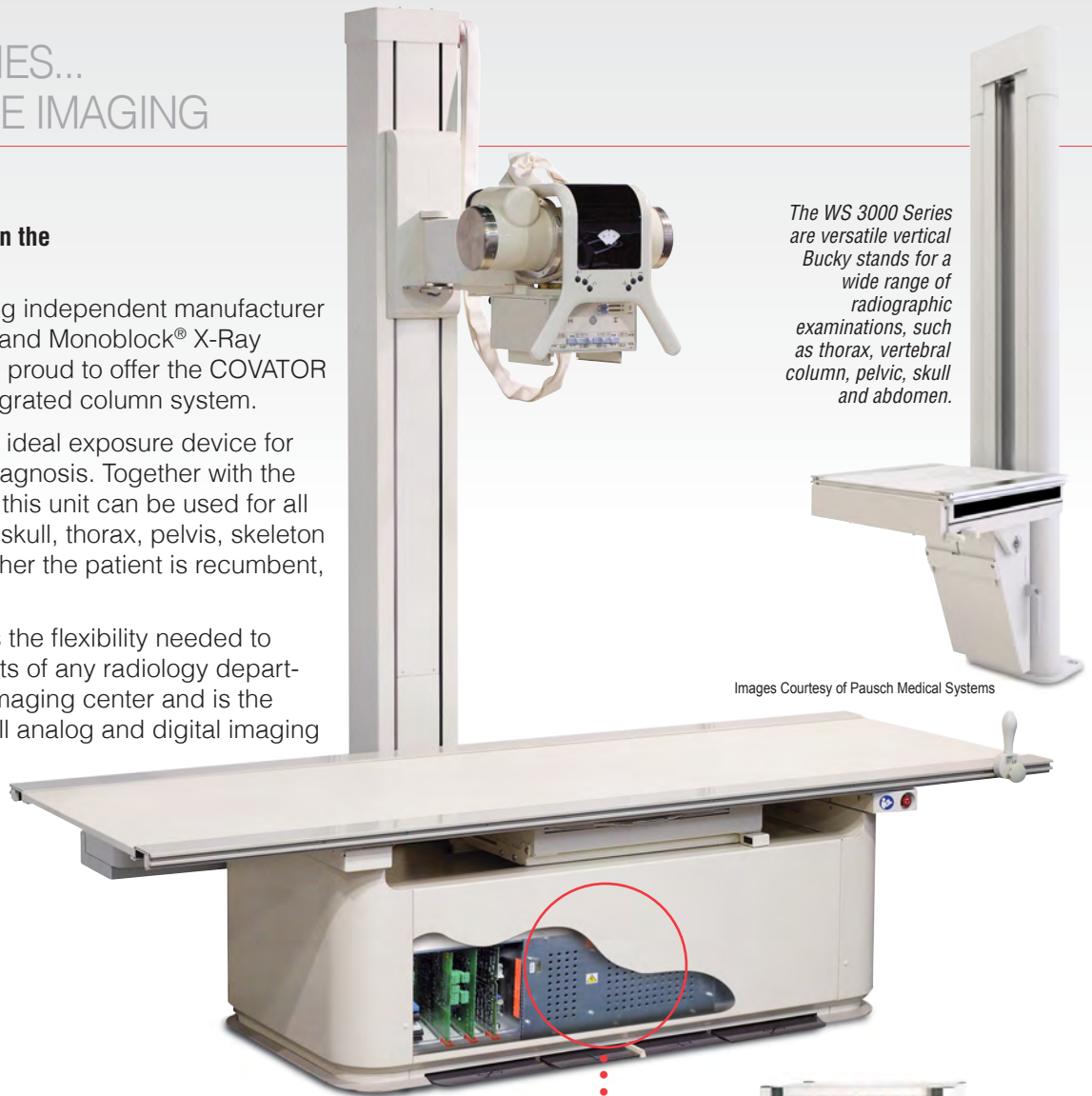
**A powerful tool for even the smallest X-Ray rooms**

As the world's leading independent manufacturer of X-Ray generators and Monoblock® X-Ray sources, Spellman is proud to offer the COVATOR bucky table with integrated column system.

The COVATOR is the ideal exposure device for head-to-toe X-Ray diagnosis. Together with the WS 3000 wall stand, this unit can be used for all X-Ray images of the skull, thorax, pelvis, skeleton and extremities whether the patient is recumbent, sitting or standing.

The COVATOR offers the flexibility needed to meet the requirements of any radiology department or diagnostic imaging center and is the perfect solution for all analog and digital imaging environments.

*The WS 3000 Series are versatile vertical Bucky stands for a wide range of radiographic examinations, such as thorax, vertebral column, pelvic, skull and abdomen.*



Images Courtesy of Pausch Medical Systems

## BONE DENSITOMETRY



### XRB

#### X-Ray Monoblock®

- Integrated HV supply, filament supply, X-Ray tube, beam port and control electronics
- Compact & lightweight
- Universal input, power factor corrected with internal EMI filter
- 80kV @ 100W
- Analog control interface and standard RS-232 digital interface

## RADIOGRAPHY and FLUOROSCOPY



### HFe UT

#### Under Table Radiographic Generator

- Output Power: 40, 50, 65, and 80kW
- Output Voltage: 40-150kV
- Output Current: 10-800mA
- RS-232, Ethernet or CAN interface
- Anatomic Programmed Radiography
- Digital or Analog Automatic Exposure Control
- Optional High Speed Starter

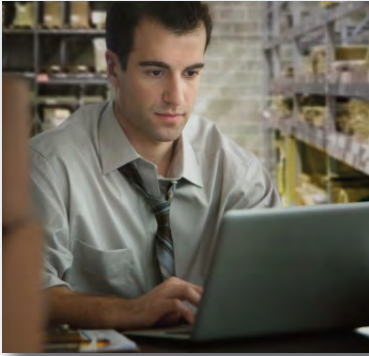


### HFe Series

#### Radiographic and Fluoroscopic Generator

- Output Power: 40, 50, 65 and 80kW
- Output Voltage: 40-150kV
- Output Current:
  - 10-800mA Radiographic
  - 0.5 to 5mA Fluoroscopic
  - 1- 20mA - High level Fluoroscopic
  - 10-150mA - Pulsed Fluoroscopic
- Anatomic Programmed Radiography
- Digital or Analog Automatic Exposure Control
- Optional High Speed Starter

# PRE-INTEGRATED SUBSYSTEMS... HASSLE-FREE TURN-KEY IMAGING CHAIN



Let Spellman take the hassle out of integrating separate X-Ray components by providing a turn-key imaging chain. The flexibility of SHV's HFe Generator Series allows us to integrate, set up, test, and calibrate the complete image chain for you. OEM's can inquire how we can help you manage one part number, one P.O., and one delivery for your image chain.

- **Reduce integration and installation time**
- **Reduce manufacturing cycle time for your system**
- **Reduce supply chain administration**
- **Reduce support and field service complexities**

Ask how we can help streamline your order fulfillment and installation process today.



Images Courtesy of Varian Medical Systems



Image Courtesy of ATS

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## HFe CONTROL CONSOLES



Membrane console



Touch-screen console



Mini console

## CT APPLICATIONS



### CT 24kW-120kW CT Generator

- Output Voltage: 0 to 150kV  
(Anode grounded or Bipolar)
- Emission Current: up to 1000mA
- Output Power: up to 120kW, peak
- Filament: 15V @ 6A, referenced to Cathode
- Dual Focal Spot
- Analog and digital control interface
- Designed for high speed gantry rotation

## MAMMOGRAPHY



### VMX X-Ray Generator

- Compact space saving modular design
- Supports Tomosynthesis applications
- Output current 10mA - 200 mA
- Maximum mAs - 600 mAs
- 2 and 3 point exposure modes
- Smart automatic exposure control with a pre-exposure
- Dual speed starter
- RS-232 and Ethernet interface

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